

IDEA 1605  
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27 November 63

MEMORANDUM FOR THE RECORD

SUBJECT : Support Information for 112A Camera

Following is based on 1/500 second exposure, wratten number 21 filter - f/3.5 lens (T-3.85 Stop) from November 25 to January 25 plus or minus hours from noon (local time).

North Lat.

<u>Degrees</u>	<u>4404 (SO-132)</u>	<u>(SO-206)</u>
0	Plus or Minus 4 Hours	Plus or Minus 5 Hours
10	Plus or Minus 3½ Hours	Plus or Minus 4½ Hours
20	Plus or Minus 3 Hours	Plus or Minus 4¼ Hours
30	Plus or Minus 2½ Hours	Plus or Minus 4 Hours
40	Plus or Minus 1½ Hours	Plus or Minus 3 Hours
50	----	Plus or Minus 2 Hours
60	----	----

Operation Instructions to Pilot:

Mode Selection  
Mode

<u>Altitude</u>	<u>Ground Speed</u>	
60,000 Feet	350 - 370	1
	371 - 390	2
	391 - 410	3
	411 - 430	3
65,000 Feet	350 - 370	1
	371 - 390	2
	391 - 410	2
	411 - 430	3
70,000 Feet	350 - 370	No Photography
	371 - 390	1
	391 - 410	1
	411 - 430	2
25X1A	350 - 370	No Photography
	371 - 390	No Photography
	391 - 410	No Photography
	411 - 430	1

Mode 1 Equals 4.5 Sec/Cycle  
Mode 2 Equals 4.0 Sec/Cycle  
Mode 3 Equals 3.5 Sec/Cycle

SECRET

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### Operating Instructions

Step	Action	Indications
1.		
Prior to Take-Off	<p>A. Mode Switch to "Off"</p> <p>B. Master Switch to "On".</p> <p>C. Heater Blower On.</p>	<p>1. Lamp "A" On.</p> <p>2. Lamp "B" on for 7 Sec.</p> <p>3. Heater Blower Light On.</p>
2.		
ASAP After Reaching 2500 Feet	A. Mode Switch to Pos. 1.	<p>1. Observe Counter and Run 50 Cycles Record Start and Stop Count.</p> <p>2. "B" Lamp On.</p> <p>3. "C" Lamp should blink On and Off.</p>
3.		
Go to Standby Until Target Run.	A. Mode Switch "Off"	<p>1. Lamp "C" should stop blinking.</p> <p>2. Lamp "B" off, after 7 Sec.</p>
4.		
For Photographic Run.	A. Mode Switch to Pos. 1-2 or 3. (Select Correct Pos. 3 from Mode Selection Chart).	<p>1. "B" Lamp On.</p> <p>2. "C" Lamp should blink On and Off. Observe cycle count and record start and stop.</p> <p>3. Heater blower lamp Off.</p>
NOTE: If Lamp "C" Comes On Film Supply is Low-Complete Immediate (Max.) 100 Cycles) Target Run and Return to Base.		

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5.

- End of Photographic Run
- |                           |  |
|---------------------------|--|
| A. Mode Switch to "Off"   | 1. Lamp "C" Will Stop Blinking.                        |
| B. Heater Blower SN "On". | 2. Lamp "B" Will Remain on for 7 Sec. then Extinguish. |
|                           | 3. Heater Blower Light "On".                           |

6.

- To Clear Exposed Film in System After Target Run or "D" Lamp Lights.
- |                                   |  |
|-----------------------------------|--|
| A. Leave Mode Switch in last pos. | 1. Run 20 Cycles Record, Start and Stop Count. |
|-----------------------------------|--|

7.

- After Landing
- |                              |                                |
|------------------------------|--------------------------------|
| A. Master Switch to "Off"    | 1. Lamp "A" should extinguish. |
| B. Leave Heater Blower "On". |                                |

This immediate operation from 0 - 10 degrees N. Lat. will employ the following:

1. Shutter speed 1/500 sec.
2. Slit width .065 to .070 inches.
3. 4404 (SO-132).
4. Wratten filter Nbr. 21.
5. Mode 1 at K plus 20.
6. Length of operation plus or minus 3.5 hours from noon local time.

25X1A

[REDACTED] has been notified of these requirements - written direction will follow this date to [REDACTED] to be forwarded to him to 25X1A be available at operations. An SOP manual is being prepared.

25X1A

[REDACTED]  
Sensor Systems Division  
(Special Activities)